

KORENBERG, E.I.; ZHMAYEVA, Z.M.

Interrelations between the yellowhammer and the tick *Ixodes persulcatus*. Zool. zhur. 43 no.2:282-284, '64. (MIRA 17:6)

1. Otdel bolezney s prirodnoy ochagovost'yu Instituta epidemiologii i mikrobiologii Akademii meditsinskikh nauk SSR (Moskva).

NIKITINA, N.A.; ZHMAYEVA, Z.M.

Factors determining tick infestation of different types of
hosts. Med. paraz. i paraz. bol. 32 no.1:39-43 Ja-F'63.
(MIRA 16:10)

1. Iz otdela infektsiy s prirodnoy ochagovost'yu (zav. - prof.
P.A.Petrishcheva) Instituta epidemiologii i mikrobiologii
imeni N.F.Gamalei AMN SSSR (dir. - prof. P.A.Vershilova).

*

ZHIMAYEVA, Z. M., KARULIN, V. E., POHELKINA, A. A.

"On related epizootics of various infections in nature." p. 104

Desyatoye soveshchaniye po parazitologicheskim problemam i prirodnouch-
agovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on
Parasitological Problems and Diseases with Natural Foci 22-29 October
1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and
Academy of Sciences USSR, No. 1 254 pp.

Inst. of Epidemiology and Microbiology, AMS USSR

Moscow

ZHMAJEVA, Z. M., KARULIN, B. E., PHELMINA, A. A.

"The results of the study of natural Q-fever foci in some areas of the Soviet Union, and the methods of classifying them by type." p. 134

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064830009

S/056/63/044/001/056/087
B164/B102

AUTHORS: Serov, V. I., Zhmaylo, B. A.

TITLE:

"Packing" of the excitation levels of light nuclei near the thresholds

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 1, 1963, 332 - 334

TEXT: The concentration of excitation levels near the threshold energies of two-particle decay of the types $K^* \rightarrow X + Y$, $K^* \rightarrow X^* + Y$, which was proved by A. I. Baz (Phil. Mag. Suppl. 8, 349, 1959), is studied according to a method by Inglis (Nucl. Phys. 30, 1, 1962). Known experimental data are used to analyze the correlation between threshold and level position for nuclei from He^5 to O^{11} . The probability distribution of the occurrence of levels near neutron and charged-particle emission thresholds shows that, in the case of neutron emission, the excitation levels concentrate near the threshold, and in the case of charged-particle emission, at a certain distance from it. The concentration of excitation levels near the thresholds in light nuclei confirms the existence of different nucleon groupings.

39485
S/056/62/043/002/019/053
B104/B108

24.6500

AUTHOR: Zhmaylo, V. A.

TITLE: Use of an optical potential for estimating the neutron absorption cross section of an excited nucleus

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 2(8), 1962, 473-475

TEXT: The parameters of the optical potential are estimated on the assumption that the neutron absorption cross section of an excited nucleus changes when the nucleon absorption coefficient of the nuclear matter increases or when the radial nucleon density distribution changes. The parameters obtained are used to calculate the change in the neutron absorption cross section of a nucleus during its excitation. It is shown that for a nuclear excitation energy E_e of ~ 20 Mev and for an incident neutron energy ϵ_n of $\sim 1-2$ Mev, $A \sim 100$, the neutron absorption cross section $\sigma_c(\epsilon_n, E_e)$ is one and a half to two times as large as $\sigma_c(\epsilon_n, E_e = 0)$. The imaginary part of the optical potential is found to

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B104/B108

Use of an optical potential ...

change on excitation of the nucleus. This is due to the change in nucleon energy distribution when the Fermi gas is "heated". The dependence of the neutron absorption cross section on the excitation energy shifts the maximum of the neutron evaporation spectrum only by a few per cent to lower energies. The excited nucleus is assumed to be in equilibrium. ✓

SUBMITTED: January 15, 1962

Card 2/2

SEROV, V.I.; ZHMAYLO, V.A.

"Connection" of the excitation levels of light nuclei near the
threshold. Zhur. eksp. i teor. fiz. 44 no.1:332-334 Ja '63.
(MIRA.16:5)

(Quantum statistics)

(Nuclei, Atomic)

n,
k

L 01074-67 EWT(1)/EWT(m)/EWP(c)/T IJP(c)

ACC NR: AP6028205 SOURCE CODE: UR/0367/66/003/006/1022/1031

AUTHOR: Zhmaylo, V. A. 52

ORG: none B

TITLE: The Coulomb photodisintegration of the deuteron as a specific case of the three-body problem 19

SOURCE: Yadernaya fizika, v. 3, no. 6, 1966, 1022-1031

TOPIC TAGS: coulomb field, three body problem, approximation method, deuteron disintegration, coulomb disintegration, wave equation

ABSTRACT: An integral equation, suggested by Baz [Nucl. Phys., 51, 145, 1964] for solving (in a specific case) the three-body problem in quantum mechanics, is being studied in application to the problem of a deuteron disintegration in the Coulomb field of a heavy nucleus. This equation is modified for the purpose of obtaining an equation more suitable for successive approximations, after which the appropriate solution is found. The amplitude for the Coulomb disintegration of the deuteron is expressed in terms of this solution and compared with the corresponding amplitude, found by Landau and Lifshitz [L. D. Landau, Ye. M. Lifshitz. ZLETF,

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L 01074-67

ACC NR: AP6028205

18, 750, 1948]. The low values of corrections show that the effects, connected with the two-particle character of the deuteron and the difference between the center of mass and the center of charge, are taken into account with good accuracy in the Landau-Lifshitz method, but quite inaccurately in the distorted wave approximation, applied to this problem [C. Wong, R. Gold. Phys. Rev., 132, 1942, 1964]. Orig. art. has: 32 formulas. [Author's abstract] [AM]

SUB CODE: 20/ SUBM DATE: 28Aug65/ ORIG REF: 004/ OTH REF: 004

Card 2/2 vlr

ZHMEYDO, A. T.

USSR/ Medicine - Cold. Effects of
Medicine - Frogs

Feb 1948

"Restoration of Vital Functions in Vertebrate Animals Exposed to Freezing,
Depending on Degree of Freezing and Rate of Warming" S. N. Matsko, A. T.
Zhmeido, V. M. Selivanova, Inst Experimental Physiol and Thereapy, Ministry
Public Health USSR, 4 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 4

Gives details of series of experiments on frogs subjected to various changes
in temperature. Describes processes of ice formation in central parts of
the body. Submitted by Academician I. I. Shmal'gauzen, 4 Dec 1947

PA 43/43T65

ANNUAL A. I.

USSR/Medicine - Frogs Temperature, Body

Jul/Aug 49

"Ice Formation and Features of the Body Temperature Curve of Vertebrates in the Process of Freezing," D. N. Matsko, A. T. Zhmeydo, Inst of Experimental Physiol and Therapy, Min of Pub Health RSFSR, 8 pp

"Zool Zhur" No 3

Conducts dissections after freezing of fall-winter and summer frogs at various times after forming of ice in the bodies to establish time required for formation of ice in various organs and changes of body temperature during freezing. Sets up a system of five stages of freezing dependent on organs of the body in which ice is formed. Data arranged in four tables.

PA 151T47

MATSKO, S.N., and A.T. ZHMEIDO.

Vliianie, okazyvaemoe некotorymi veshchestvami na protsess zamerzaniia i na vosstanovlenie zhiznannykh funktsii u podvergnutykh zamorazhivaniu pozvonochnykh zhivotnykh. (Akademiia nauk SSSR. Doklady, novaia seriia, 1949. t. 69, no. 5, p. 703-706, fig., table.) Title tr.: The influence exerted by certain substances upon the process of freezing and upon the restitution of vital functions in vertebrate animals subjected to freezing.

Contains a study on male frogs injected with 40 percent alcohol, exposed to air temperature of -4° to -6°C . and rewarmed in water of 20°C . In the experimental animals, the amount of water frozen in the body at a temperature of -1.5°C . was $2\frac{1}{2}$ - 8 times smaller than in controls. The lag in ice formation was made pronounced in the alcohol-treated animals than in partly desiccated ones used for comparison. Bibliography (7 items).

Copy seen: DLC.

[illegible]

ZHMEN'KO, L. F.

Zhmen'ko, L. F.

"The development of pig embryos and metabolism in pregnant sows with various types of feed." Min Higher Education Ukrainian SSR. Khar'kov Zootechnical Inst. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences).

Knizhnaya letopis'

No. 21, 1956. Moscow.

BERNZOVSKAYA, N.N.; BESSONOV, S.M.; GALKINA, A.F.; GORBUNOVA, V.I.; GRAFSKAYA,
Z.S.; ZHMEYDO, A.T.; LAGUN, G.G.; KALININA, N.N.; KOCHETKOVA, Z.V.;
MATSKO, S.N.; ORLOVA, L.V.; TUPIKOVA, A.A.

Results the of vitaminization of food in public eating establishments.
Vop.pit. 15 no.5:37-42 S-0 '56. (MLRA 9:11)

1. Iz laboratorii (zav. - A.Kh.Petrachev) sanitarno-epidemiologicheskoy
stantsii Frunzenskogo rayona, iz otdela tekhnologii (zav. - kandidat
tekhnicheskikh nauk S.M.Bessonov) Instituta pitaniya AMN SSSSR i iz
A.D.Ye - vitaminnogo otdela (zav. - prof. S.N.Matsko) Gosudarstvennogo
nauchno-issledovatel'skogo instituta vitaminologii Ministerstva zdrazo-
okhraneniya SSSR, Moskva.

(FOOD,
vitamin supplement, results (Rus))

(VITAMINS,
supplement in food (Rus))

"APPROVED FOR RELEASE: 07/19/2001

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APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064830009-9"

ANISOVA, A.A., ZHMEYDO, A.T., GORBUNOVA, V.I. SPIRINA, V.P.

Vitamin C indexes in preschool children. *Pediatrics* 36 no.6:56-59
Je '58 (MIRA 11:6)

1. Iz otdela fiziologii Instituta pediatrii Ministerstva zdavo-
okhraneniya RSFSR (zav. - doktor med.nauk N.Ye. Ozeretskoykaya)
i A.D.E. vitaminnogo otdela (zav. - prof. S.N. Matsko) Instituta
vitaminologii Ministerstva zdavookhraneniya SSSR.

(VITAMIN C, metab.

utilization, eff. of decreased allotment in pre-
school child. (Rus))

(CHILD

eff. of decreased vitamin C allotment on pre-
school age child. (Rus))

ABEZGAUZ, N.N.; ANISOVA, A.A.; GORBUNOVA, V.I.; ZHMEYDO, A.T.; LEONTOVICH, V.A.

Effect of C-vitaminization of donors on the preservation of the phagocytic reaction and the vitamin C level in leucocytes stored under refrigeration. Probl. gemat. i perel. krovi 10 no.1:45-47 Ja '65. (MIRA 19:1)

1. Laboratoriya konservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') Tsentral'nogo instituta gematologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR i vitaminnaya laboratoriya (zav. - prof. S.N. Matsko) Instituta vitaminologii, Moskva.

MATSKO, S.N.; GORBUNOVA, V.I.; ANISOVA, A.A.; ZHMEYDO, A.T.

Criteria for vitamin C requirements; observations on children.
Vop. pit. 21 no.6:52-56 N-D '62. (MIRA 17:5)

1. Iz Nauchno-issledovatel'skogo instituta vitaminologii Ministerstva
zdravookhraneniya SSSR, Moskva.

ZHMEYDO, A.T.; GRAFSKAYA, Z.S.; CHERNIKOVA, N.V.

Producing "pure" vitamin D deficiency in rats. Vop.pit 21 no.4;
71-74 JI-Ag '62. (MIRA 15:12)

1. Iz Nauchno-issledovatel'skogo instituta vitaminologii
Ministerstva zdravookhraneniya SSSR, Moskva.
(DEFICIENCY DISEASES) (VITAMINS—D)

ZHMIGRODZKIY

POLAND/ Microbiology. General Microbiology

F-1

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24061

Author : Khodkovskiy, Parnas, Zhmigrodzkiy

Inst : Not given

Title : Further Study of Atypical Forms of Brucella Iso-
lated in Poland.

Orig Pub: Med. doswiad. i mikrobiol., 1957, 9, No 3, 275-279

Abstract: No abstract.

Card 1/1

L 1054-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) JD

ACCESSION NR: AP5022581

UR/0129/65/000/009/0042/0046
669.14.018.25

AUTHOR: Zhmikhorskiy, E. (Zmihorski, E.) (Warsaw)

TITLE: Modified high-speed steels with a high carbon content

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 9, 1965, 42-46

TOPIC TAGS: carbon steel, high-speed steel, hardness, electromagnetic property, metal heat treatment, toughness

ABSTRACT: High-carbon high-speed steels are more wear-resistant as well as more economical with respect to the content of alloy elements. In this connection, the author investigated the effect of different types of heat treatment on the structure, hardness, wear resistance, toughness, and electromagnetic properties of experimental melts of Polish high-speed steels SWC (1.19% C, 0.3-0.6% Mn, 0.47% Si, 3.54% Cr, 8.4% W, 2.1% V, 0.28% Ti, 0.28-0.6% Al, 0.28% Ni, 0.10% Cu), SWC12 (1.13% C, 0.77% Mn, 0.28% Si, 4.2% Cr, 11.9% W, 2.47% V, 0.29% Ti), and SWC18 (1.24% C, 0.3% Mn, 0.19% Si, 4.17% Cr, 17.1% W, 1.4% V, 0.19% Ni, 0.14% Cu). Specimens of these steels were quenched from 900-1240°C (and in isolated instances,

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ACCESSION NR: AP5022581

from 1280°C) and subsequently tempered at 175, 550, 570, 600, and 650°C for 1 hr. Then their mechanical properties were examined with the aid of different testing machines and their electromagnetic properties, with the aid of a Cornelius electronic device for nondestructive testing. Findings: the required hardening temperature for the steels SWC, SWC12, and SWC18 decreases with increasing hardening time and vice versa, and optimally it is 1050-1200°C. The hardness of high-speed steels may remain the same following different regimes of heat treatment. Comparisons with the classical high-speed steels 18-4-1 and with the German high-grade high-speed steel El8Co5 show the Polish SWC steel is not inferior in strength and toughness to these standard high-speed steels. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 001

ENCL: 00

OTHER: 008

SUB CODE: 124 10

Card 2/2

ZHMIKHORSKIY, E. (Varshava)

Inoculated high speed steels with an increased carbon content.
Metalloved. 1 term.obr.met. no.9:42-46 S '65.

(MIRA 18:10)

ZHMUKHOVSKA, VIKTORIYA

Zhmikhovska, Viktoriya "A comparative evaluation of methods of treating acute odontogenic inflammatory processes of the maxillary-facial region." Min Health RSFSR. Moscow Medical Stomatological Inst. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; 111.

ZHMIYEVSKAYA, L.Ya., inzh.; ANDZHEYEVSKIY, B.N., inzh.

Agricultural machinery industry in the Polish People's Republic.
Trakt.i sel'khoz mash. no.8:42-43 Ag '59. (MIRA 12:11)
(Poland--Agricultural machinery industry)

BIRICH, T.B., prof.; KANTOR, D.V., dotsent; IVANENKO, L.M., ordinator;
ZHMIYEVSKAYA, N.Ye., ordinator

Eye injuries in Minsk industrial establishments and measures for
preventing them. Zdrav. Belor. 4 no.2:47-48 F '58. (MIRA 13:8)
(MINSK--INDUSTRIAL HYGIENE)
(EYE--WOUNDS AND INJURIES)

LUKACHER, G.Ya., kand.med.nauk; FAL'CHUK, A.Ya.; ZHMOTOVA, Ye.A.

Medical expertise of the capacity for work and rehabilitation of persons following surgery for hernia of an intervertebral disk and hypertrophy of the ligamentum flavum of the lumbar region. Sov. med. 28 no.3:104-108 Mr '65. (MIRA 18:10)

1. Nevrologicheskoye otdeleniye (zav. - kand.med.nauk G.Ya. Lukacher) 41-y gorodskoy bol'nitsy ekspertizy vremennoy netrudosposobnosti (glavnyy vrach N.A.Magnitskaya) i Neyrokhirurgicheskoye otdeleniye (nauchnyy rukovoditel' - prof. I.M.Irger) klinicheskoy bol'nitsy imeni S.P.Botkina (glavnyy vrach - dotsent Yu.G.Antonov), Moskva.

KULIKOV, I.S.; ZHMOUDIN, G.I.

Diagrams of the desulfurating ability and the viscosity of
blast furnace slags. Trudy Inst. met. no.12:13-15 '63.
(MIRA 16:6)

(Slag—Testing)
(Desulfuration)
(Viscosity)

ZHMOYDIN, G.I.(Moskva); KULIKOV, I.S.(Moskva)

Physical properties of blast furnace slags and the effect on
them of magnesium oxide, sulfur, manganese and iron. Izv.

AN SSSR. Otd. tekhn. nauk. Met.1 topl. no.5:25-32 S-O '60.

(MIRA 13:11)

(Slag--Testing) (Viscosimetry)

KULIKOV, I.S.; ZHAROV, G.A.

Activity of calcium oxides and sulfides in slag according to
data on sulfur vaporization from slag and on its distribu-
tion between the cast iron and slag. Trudy Inst. met. no.142
3-12 '63 (MIRA 1789)

ZHMOYDIN, G.I. (Moskva); KULIKOV, I.S. (Moskva)

Sulfur distribution between carbon-saturated iron and molten
calcium oxide - alumina. Izv. AN SSSR. Otd. tekhn. nauk. Met.
1 gor. delo no.3:70-75 My-Je '63. (MIRA 16:7)
(Iron-Metallurgy) (Desulfuration) (Slag)

ZHMUD, A. YE.

DECEASED

1963/1

c. 1961

ENGINEERING

SEE ILC

ZHMID', E.M. (Khar'kov)

Irreducible isomorphic linear representations of finite
groups. Uch.zap.KHGU 80:199-204 '57. (MIRA 12:11)
(Groups, Theory of)

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ZHMUD', E. M.

PA-246T90

USSR/Mathematics - Quadratic Forms Mar/Apr 53

"Whole-Number Transformations of Quadratic Forms,"
E.M. Zhmud', Khar'kov

"Matematicheskii Sbornik" Vol 32 (74), No 2, pp 287-344

A study of the behavior of invariants and characters of integral-number quadratic forms of n variables during their transformations by integral-number linear substitutions with determinant greater than unity. Aim is to generalize the familiar Gauss formula giving the dependence between number of classes of properly primitive binary forms of determinants D and Dm^2 (m : integer) to the case of quadratic forms of any number of variables.

246T90

ZHMUD, E. M.

Homomorphism kernels of linear representations of finite groups.
Mat. sbor. 44 no.3:353-408 Mr '58.
(Groups, Theory of) (MIRA 11:5)

AUTHOR: Zhmud', E.M. (Khar'kov) 39-44-3-3/3

TITLE: On Homomorphy Kernels of Linear Representations of Finite Groups (O yadrah gomomorfizmov lineynykh predstavleniy konechnykh grupp)

PERIODICAL: Matematicheskiy Sbornik, 1958, Vol 44, Nr 3, pp 353-408 (USSR)

ABSTRACT: The present paper is a development of the author's publication [Ref 8] of two years ago concerning isomorphic linear representations of finite groups. Let G be a finite group and P a field, the characteristic of which does not divide the order of the group. The normal subgroup H of G is called k -kernel, if H is the homomorphy kernel of a linear representation of G which is decomposed into k irreducible components in P . In § 1 besides of the k -kernels the author considers a certain orthogonal system $s_i^{(k)}(x)$ ($i = 1, 2, \dots, m_k$) which depends on the characters of the groups and which is defined on the set $\mathcal{E}_k(G)$ of the systems $X = \{G_1, \dots, G_k\}$ of k elements of G .

Card 1/4

On Homomorphy Kernels of Linear Representations of Finite Groups 39-44-3-3/3

The determination of explicit expressions for these functions leads to necessary and sufficient conditions for a normal subgroup of G to be a k -kernel. The elements of $E_k(G)$ are divided into classes: Let $X \in E_k(G)$ and N_X be the minimum normal subgroup of G containing the system X . Then let be $X_1 \approx X_2$, if $N_{X_1} = N_{X_2}$. It is shown that: 1. The number of the functions $s^k(x)$ is equal to the number of the classes of the systems of k elements of G ; 2. from $X_1 \approx X_2$ it follows $s_1^{(k)}(X_1) = s_1^{(k)}(X_2)$, 3. the orthogonal system $\{s_i^{(k)}(x)\}$ is complete in the class of the functions which are invariant on the classes of k -systems. From the first property it follows: The number of the k -kernels of G is equal to the number of the subgroups which are generated of k classes of conjugate elements of G . In § 2 it is proved that the classes of the set $E_k(G)$ generate a certain noncommutative semisimple algebra A_k . The pro-

Card 2/4

On Homomorphism Kernels of Linear Representations of
Finite Groups

39-44-3-3/3

properties of \mathcal{L}_k are used in order to extend the results of § 1 to a ground field of arbitrary characteristic. In § 3 the special case $k = 1$ is considered in detail. Let J_i ($i=1, \dots, m$) be the homomorphism kernels of the irreducible representations of \mathcal{G} . As the adjoint representation Π_i of \mathcal{G} the author denotes the greatest component (with respect to the number of the irreducible parts) of a regular representation of \mathcal{G} , all the irreducible parts of which possess the homomorphism kernel J_i . The functions $s_i^{(k)}(X)$ are transformed for $k = 1$ into the traces $s_i(G)$ ($i=1, \dots, m$) of the adjoint representations. The classes of $E_k(\mathcal{G})$ are transformed into sets of elements of \mathcal{G} - "expanded classes". Properties of the traces and of the "expanded classes" are considered, furthermore the algebra \mathcal{L} which is generated by the expanded classes of \mathcal{G} .

Card 3/4

On Homomorphy Kernels of Linear Representations of
Finite Groups

39-44-3-3/3

§ 4 is devoted to a detailed study of the functions $s_i^{(k)}(x)$
for which a product representation is obtained.

There are 10 references, 1 of which is Soviet, 1 English,
1 American, 4 German, and 3 Japanese.

SUBMITTED: April 24, 1956

AVAILABLE: Library of Congress

1. Finite groups - Mathematical analysis
Theory
2. Algebra -

Card 4/4

USCOMM-DC-54,998

ZHAUD', E.M.

Theoretical and group function of M bius and Delsarte and theory
of linear representations of finite groups. Izv.vys.ucheb.zav.;
mat. no.1:133-141 '57. (MIRA 12:10)

1. Khar'kovskiy inzhenerno-ekonomicheskoy institut.
(Groups, Theory of)

ZHMUD', E.M.

Representations of finite Abelian groups by substitutions.
Uch.zap.KHGU 115:131-134 '61. (MIRA 17:5)

ZHMUD', E.M. (Khar'kov)

Isomorphic linear representations of finite groups. Mat.sbor. 38
no.4:417-430 Ap '56. (MLRA 9:8)
(Groups, Theory of)

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ZEMUD', L.B. (Rostov-na-Donu, pr. Chekhova, d. 38/40, kv. 68)

A case of foreign body in the appendix. Vest. rent. 1 rad. 34 no.1:
79-80 Ja-F '59. (MIRA 12:3)

1. Iz Gordakoy bol'nitsy No. 2 Rostova-na-Donu (glavnyy vrach A.G.
Schastnyy).

(APPENDIX, for. body
needle (Rus))

ZHMUD', L.B.

Case of congenital anomaly of the urinary tract. Vestn. rent.
1 rad. 38 no.3:80 My-Ks '63. (MIRA 17:7)

1. Iz 2-y gorodskoy imeni Lenina bol'nitsy (glavnyy vrach
A.G. Schastnyy) Rostova-na-Donu.

ZHMUD', L.B.; ZOLOTAREVA, V.S.

Case of multiple hemangioendothelioma of the mediastinum and
the bones of the lower extremities. Vest. rent. 1 rad. 40
no.1:67-69 Ja-F '65. (MIRA 18:6)

1. Gorodskaya bol'nitsa No.2 imeni V.I. Lenina (glavnyy vrach
A.G. Schastnyy), Rostov-na-Donu.

ZHMUD', L.B.

A case of congenital diaphragmatic hernia with other anomalies. Vest.
rent. 1 rad. 33 no.6:85-86 N-O '58. (MIRA 12:1)

1. Iz Gorodskoy bol'nitsy No.2 Rostova-na-Donu (glavnyy vrach A. G.
Schastnyy).

(HERNIA, DIAPHRAGMATIC, case reports
congen., with multiple abnorm. (Rus))

(ABNORMALITIES, case reports
multiple, with congen. diaphragmatic hernia (Rus))

ZHMJD', L.B.

Case of benign hemangioendothelioma of the pancreas. Vest. rent.
i rad. 39 no.5:63 S-O '64. (MIRA 18:3)

1. Gorodskaya bol'nitsa No.2 imeni Lenina, Rostov-na-Donu.

ZHMUD', Ye.S., BORONIN, V.S., POLTORAK, O.M.

Dispersity of platinum on silica gel from X-ray study and hydrogen chemisorption data. Zhur. fiz. khim. 39 no.3:809-811 Mr '65.
(MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

S/078/62/007/011/002/005
B101/B186

AUTHORS:

Zhud', Ye. S., Ivanova, A. B., Kotlyar, A. A., Ostapchenko, Ye. P.

TITLE:

X-ray examination of melts in the BaO - GeO₂ system

PERIODICAL:

Zhurnal neorganicheskoy khimii, v. 7, no. 11, 1962, 2581-2590

TEXT: Mixtures of BaCO₃ with GeO₂ in which both components varied between 0-100 mole% were sintered at 920-1250°C in air or at 920°C in a hydrogen atmosphere. X-ray spectra were recorded under CuK_α radiation using the aragonite type of BaCO₃ and rhombohedral GeO₂. The lattice constants of these compounds agreed with published data (A. I. Kitaygorodskiy, Rentgenostrukturnyy analiz melkokristallicheskih i amorfnykh tel (X-ray Analysis of Fine-crystalline and Amorphous Substances), Gostekhizdat, 1950). Results. (1) Specimens sintered at 1050°C in air with a BaCO₃:GeO₂ ratio = 1:1 formed a single phase. On the basis of data obtained by H. Koelma, C.M.C. Verhagen (J. Electrochem. Soc., 106, 677 (1959)), the single phase was identified as BaGeO₃; it was present in a ratio of up to 1:3. Using BaCO₃:GeO₂ = 1:2, BaGe₂O₅ was formed, and using ratios of 2:8 and 1:3, the specimen contained unchanged GeO₂ as well as BaGe₂O₅. Using Card 1/3

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the ratios 6:4, 2:1, 7:3, 3:1, 4:1, and 5:1, Ba_2GeO_4 was formed which, at 2:1, is present as a single phase; this was identified from the similarity of its structure to that of Ba_2SiO_4 (A. Austin, J. Amer. Ceram. Soc., 30, 218 (1947)). Using even higher proportions of BaCO_3 gave rise to lines which were attributed to various barium hydroxides. (2) At 1250°C in air it was found that specimens containing 0-30% GeO_2 and 100-70% BaO produced $\text{BaO} + \text{Ba}_2\text{GeO}_4$; those with a content of 30-50% GeO_2 produced $\text{BaGeO}_3 + \text{Ba}_2\text{GeO}_4$; those with 50-100% GeO_2 gave rise to $\text{BaGeO}_3 + \text{GeO}_2$; but BaGe_2O_5 is not formed, for at this temperature it readily decomposes into $\text{BaGeO}_3 + \text{GeO}_2$. (3) At 920°C in a hydrogen atmosphere, using a $\text{BaO}:\text{GeO}_2$ ratio of 9:1, the phase composition was $\text{BaCO}_3 + \text{X} + \text{traces of BaGeO}_4$, where X denotes an unidentified phase probably consisting of various barium hydroxides. For ratios from 5:1 to 7:3 the composition is $\text{Ba}_2\text{GeO}_4 + \text{X}$; at 2:1 the Ba_2GeO_4 occurs as a single phase; using 6:4 to 1:3 there are traces of Ge along

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X-ray examination of melts in the...

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with the Ba_2GeO_4 ; using 2:8 there is $Ba_2GeO_4 + Ge$, and for 1:9 there is $Ge + Ba_2GeO_4$. This paper was presented at the VII Nauchno-tekhnicheskoye soveshchaniye po primeneniyu rentgenovskikh luchey k issledovaniyu materialov (7th Scientific and Technical Conference on the Application of X-rays to Examination of Materials). Leningrad, 1961. There are 5 figures and 4 tables.

SUBMITTED: February 23, 1962

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5.2200 1043 1273 1136

S/192/61/002/001/002/006
B107/B218

AUTHORS: Zhmud', Ye. S. and Ostapchenko, Ye. P.

TITLE: Radiographic study of the systems BaO - WO₃, BaO - MoO₃, and BaO - Ta₂O₅

PERIODICAL: Zhurnal strukturnoy khimii, v. 2, no. 1, 1961, 33-45

TEXT: The authors radiographically investigated the different phases of the systems BaO - WO₃, BaO - MoO₃, and BaO - Ta₂O₅. The compounds of these systems are of interest for developing thermionic emitters. The samples were prepared by annealing mixtures of BaCO₃ and Me oxide (Me = W, Mo, Ta) in the air, or in hydrogen. The samples were heated at 100°C/hr, and after two hr cooled in the furnace. For this investigation, PKA (RKD) cameras (diameter 57.3 mm) were attached to the apparatus YPC-55 (URS-55) and YPC-70 (URS-70) (copper emission). Besides, a device of the type YPC-504 (URS-501) for recording the ionization of the scattered emission (scanning rate 2°/min) was used. The study of the system BaO - WO₃ at 1,200°C led to

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the following results: $\text{BaO} \cdot \text{WO}_3$, tetragonal, a being 5.56, and c being 12.76 Å; $3\text{BaO} \cdot \text{WO}_3$, pseudocubic, face-centered, a being 8.61; $2\text{BaO} \cdot \text{WO}_3$, structure unknown. The d values for these compounds are given in Table 3. When storing in the open air at room temperature, tungstates remain unchanged for several months. An electron-microscope study with the microscope EM-3 (EM-3) showed that, contrary to the other tungstates, $3\text{BaO} \cdot \text{WO}_3$ is needle-shaped. Mixtures with a molar ratio $\text{BaCO}_3 : \text{WO}_3 < 2:3$ melted on heating. After careful studies, the authors came to the conclusion that a compound $\text{BaO} \cdot 2\text{WO}_3$ forms, which melts at 940-950°C. $\text{BaO} \cdot \text{WO}_3$ was found to form already after 2-hr heating at 850°C. Table 4 gives data on the phases of the system $\text{BaO} - \text{MoO}_3$. The X-ray pictures are very similar to those of tungstates of analog composition. The authors also synthesized $2\text{BaO} \cdot \text{MoO}_3$, which is, however, unstable and decomposes within a few days. In the system $\text{BaO} - \text{Ta}_2\text{O}_5$, the authors synthesized five barium tantalates, by working with hydrogen atmosphere, and at different temperatures: $5\text{BaO} \cdot \text{Ta}_2\text{O}_5$,

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4 $\text{BaO} \cdot \text{Ta}_2\text{O}_5$, $7\text{BaO} \cdot 3\text{Ta}_2\text{O}_5$, $\text{BaO} \cdot \text{Ta}_2\text{O}_5$, and $3\text{BaO} \cdot \text{Ta}_2\text{O}_5$. It is possible that the compounds $7\text{BaO} \cdot \text{Ta}_2\text{O}_5$ and $3\text{BaO} \cdot \text{Ta}_2\text{O}_5$ are actually $2.5\text{BaO} \cdot \text{Ta}_2\text{O}_5$ and $\text{BaO} \cdot 2.5\text{Ta}_2\text{O}_5$ respectively. The experimental results are given in Table 5. Table 6 shows the d values for the following compounds: $7\text{BaO} \cdot 3\text{Ta}_2\text{O}_5$, $4\text{BaO} \cdot \text{Ta}_2\text{O}_5$, and $5\text{BaO} \cdot \text{Ta}_2\text{O}_5$. Practically, the same results were obtained when heating the system $\text{BaO} - \text{Ta}_2\text{O}_5$ in air to 1,100, 1,200, and 1,300°C. Nevertheless, the authors state that the results concerning the above system are not yet and need a further proof. There are 7 figures, 6 tables, and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The three references to English language publications read as follows: E. G. Steward, H. P. Rooksby. Nature, 157, 548 (1946); R. C. Hughes, P. P. Coppola, T. H. Evans. J. Appl. Physics, 23, no. 6, 635 (1952); E. G. Steward, H. P. Rooksby. Acta crystallogr., 4, 503 (1951).

SUBMITTED: February 28, 1959

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Table 3: Relative intensities and spacings of the roentgenograms of barium tungstates.

Legend: 1) number of the line

BaO·WO ₃			2BaO·WO ₃						3BaO·WO ₃		
№ ^① линия	I	d (Å)	№ ^② линия	I	d (Å)	№ ^③ линия	I	d (Å)	№ ^④ линия	I	d (Å)
1	100	3,34	1	44	3,50	17	9	1,89	1	100	3,05
2	33	3,17	2	17	3,32	18	26	1,84	2	5	2,58
3	44	2,78	3	100	3,16	19	35	1,76	3	29	2,15
4	68	2,09	4	87	3,07	20	14	1,74	4	38	1,78
5	18	1,97	5	62	2,97	21	33	1,71	5	7	1,65
6	35	1,85	6	46	2,84	22	22	1,68	6	13	1,52
7	47	1,69	7	44	2,72	23	24	1,66	7	7	1,46
8	37	1,67	8	31	2,64	24	21	1,63	8	12	1,36
9	16	1,57	9	22	2,40	25	15	1,59	9	2	1,31
10	13	1,37	10	17	2,26	26	11	1,55	10	3	1,27
11	27	1,35	11	25	2,21	27	4	1,49	11	4	1,23
12	14	1,28	12	22	2,18	28	15	1,45	12	3	1,20
13	8	1,25	13	49	2,10	29	32	1,43	13	7	1,15
14	14	1,23	14	10	2,07	30	8	1,39	14	3	1,12
15	7	1,20	15	40	1,95	31	14	1,36			
16	14	1,16	16	9	1,91	32	13	1,32			

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Table 4: Experimental results of the system $\text{BaO} - \text{MoO}_3$, annealing in air.
Legend: 1) $\text{BaCO}_3:\text{MoO}_3$ in mole%; 2) phase composition of the samples after 2-hr heating in air to ...°C; * temperature rise within about 4 hr, cooling in the furnace; ** temperature rise within about 5 hr, cooling in the furnace; *** temperature rise within about 6 hr, cooling in the furnace; **** temperature rise at 100°C/hr, cooling in the furnace; 3) the sample volatilized; CLEAN - traces.

Table 5: Experimental results of the system $\text{BaO} - \text{Ta}_2\text{O}_5$, annealing in hydrogen.
Legend: 1) phase composition of the samples after 2-hr heating in hydrogen to ...°C; CLEAN - traces.

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остав образцов, прональные

① BaCO ₃ : MoO ₃ (мольные %)	② Фазовый состав 800 °C
90:10	BaCO ₃ +BaO·MoO ₃ +следы MoO ₃
83,34:16,66	
80:20	
75:25	BaCO ₃ +BaO·MoO ₃ +MoO ₃
70:30	
66,67:33,33	
60:40	BaO·MoO ₃ +MoO ₃ +BaCO ₃
50:50	BaO·MoO ₃ +MoO ₃ +BaCO ₃ + + (?) следы BaO·2MoO ₃
40:60	BaO·MoO ₃ +MoO ₃ +BaCO ₃ + + (?) BaO·2MoO ₃
33,33:66,67	
30:70	MoO ₃ +BaO·MoO ₃ +BaCO ₃ + + BaCO ₃
20:80	MoO ₃ +BaO·MoO ₃ +BaCO ₃ + + (?) BaO·2MoO ₃
10:90	

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800 °C
BaCO ₃ +BaO·MoO ₃
BaO·MoO ₃ +BaC ₂ O
BaO·2MoO ₃
BaO·MoO ₃ +BaO·2MoO ₃
образец улетучился

Radiographic study

на воздухе в течение 2 часов при температурах; S/192/61/002/001/002/006

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1000 °C***

1200 °C****

Table 5
CONT.

$\text{BaCO}_3 + 2\text{BaO} \cdot \text{MoO}_3 +$ + следы $3\text{BaO} \cdot \text{MoO}_3$	$\text{BaCO}_3 + 3\text{BaO} \cdot \text{MoO}_3 +$ + (?) следы $\text{BaO} \cdot \text{MoO}_3 + (?)$
$\text{BaCO}_3 + 2\text{BaO} \cdot \text{MoO}_3 +$ + следы $3\text{BaO} \cdot \text{MoO}_3 + \text{BaO} \cdot \text{MoO}_3$	$3\text{BaO} \cdot \text{MoO}_3 + (?) \text{BaO} \cdot \text{MoO}_3 +$ + (?) следы $2\text{BaO} \cdot \text{MoO}_3 + \text{BaCO}_3 + (?)$
$\text{BaO} \cdot \text{MoO}_3 + 2\text{BaO} \cdot \text{MoO}_3 +$ + (?) следы BaCO_3	$3\text{BaO} \cdot \text{MoO}_3 + (?) \text{BaO} \cdot \text{MoO}_3 +$ + $\text{BaCO}_3 + (?)$ следы $2\text{BaO} \cdot \text{MoO}_3 + (?)$
$2\text{BaO} \cdot \text{MoO}_3 + \text{BaO} \cdot \text{MoO}_3 + (?) \text{BaCO}_3$	$2\text{BaO} \cdot \text{MoO}_3 + (?) \text{BaCO}_3 +$ + (?) $\text{BaO} \cdot \text{MoO}_3$
$\text{BaO} \cdot \text{MoO}_3 + 2\text{BaO} \cdot \text{MoO}_3$	$\text{BaO} \cdot \text{MoO}_3 + 2\text{BaO} \cdot \text{MoO}_3 + (?) \text{BaCO}_3$
$\text{BaO} \cdot \text{MoO}_3$	$\text{BaO} \cdot \text{MoO}_3 + 2\text{BaO} \cdot \text{MoO}_3 +$ + (?) следы BaCO_3
$\text{BaO} \cdot \text{MoO}_3 +$ следы $\text{BaO} \cdot 2\text{MoO}_3$	$\text{BaO} \cdot \text{MoO}_3 + 2\text{BaO} \cdot \text{MoO}_3$
$\text{BaO} \cdot \text{MoO}_3 + \text{BaO} \cdot 2\text{MoO}_3 + (?)$	$\text{BaO} \cdot \text{MoO}_3$
	$\text{BaO} \cdot \text{MoO}_3 + (?)$ следы $\text{BaO} \cdot 2\text{MoO}_3$

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③ образец улетучился

③ образец улетучился

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(a) Фазовый состав образцов, при:		1100°C.	1600°C.
BaCO ₃ : Ta ₂ O ₅	9:1	5BaO·Ta ₂ O ₅ + (f)	5BaO·Ta ₂ O ₅ + (f)
	7:1	5BaO·Ta ₂ O ₅	5BaO·Ta ₂ O ₅
	5:1	5BaO·Ta ₂ O ₅ + + следы 4BaO·Ta ₂ O ₅	5BaO·Ta ₂ O ₅ + + следы 4BaO·Ta ₂ O ₅
	4:1	5BaO·Ta ₂ O ₅ + + следы 7BaO·3Ta ₂ O ₅	5BaO·Ta ₂ O ₅ + 4BaO·Ta ₂ O ₅
	3:1	4BaO·Ta ₂ O ₅ + 7BaO·3Ta ₂ O ₅ + + следы 5BaO·Ta ₂ O ₅	4BaO·Ta ₂ O ₅ + 7BaO·3Ta ₂ O ₅ + + следы 5BaO·Ta ₂ O ₅
	7:3	5BaO·Ta ₂ O ₅ + 7BaO·3Ta ₂ O ₅ + + следы BaO·Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + 4BaO·Ta ₂ O ₅
	2:1	7BaO·3Ta ₂ O ₅ + 5BaO·Ta ₂ O ₅ + + следы BaO·Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + + следы 3BaO·7Ta ₂ O ₅ + + следы β-Ta ₂ O ₅
	3:2	7BaO·3Ta ₂ O ₅ + следы BaO· -Ta ₂ O ₅ + следы β-Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + + следы 3BaO·7Ta ₂ O ₅ + + следы β-Ta ₂ O ₅
	1:1	7BaO·3Ta ₂ O ₅ + BaO·Ta ₂ O ₅ + + β-Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + + 3BaO·7Ta ₂ O ₅ + β-Ta ₂ O ₅
	2:3	7BaO·3Ta ₂ O ₅ + β-Ta ₂ O ₅ + + BaO·Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + + 3BaO·7Ta ₂ O ₅ + β-Ta ₂ O ₅ + + следы BaO·Ta ₂ O ₅ + β-Ta ₂ O ₅
	3:7	β-Ta ₂ O ₅ + BaO·Ta ₂ O ₅ + + 7BaO·3Ta ₂ O ₅	3BaO·7Ta ₂ O ₅ + β-Ta ₂ O ₅ + + 7BaO·3Ta ₂ O ₅ + BaO·Ta ₂ O ₅
	1:4	β-Ta ₂ O ₅ + 3BaO·7Ta ₂ O ₅ + + BaO·Ta ₂ O ₅	β-Ta ₂ O ₅ + 3BaO·7Ta ₂ O ₅ + + BaO·Ta ₂ O ₅
	1:9	β-Ta ₂ O ₅ + BaO·Ta ₂ O ₅	β-Ta ₂ O ₅ + 3BaO·7Ta ₂ O ₅
	0:1	β-Ta ₂ O ₅	β-Ta ₂ O ₅

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1000°C

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1300°C	1500°C
5BaO·Ta ₂ O ₅ + (?)	5BaO·Ta ₂ O ₅ + (?)
5BaO·Ta ₂ O ₅	5BaO·Ta ₂ O ₅ + + следы 4BaO·Ta ₂ O ₅
5BaO·Ta ₂ O ₅ + 4BaO·Ta ₂ O ₅	4BaO·Ta ₂ O ₅ + + 5BaO·Ta ₂ O ₅
4BaO·Ta ₂ O ₅ + + следы 5BaO·Ta ₂ O ₅	4BaO·Ta ₂ O ₅
4BaO·Ta ₂ O ₅ + 7BaO·3Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + + 4BaO·Ta ₂ O ₅
7BaO·3Ta ₂ O ₅	7BaO·3Ta ₂ O ₅ + + 3BaO·7Ta ₂ O ₅
7BaO·3Ta ₂ O ₅ + 3BaO· ·7Ta ₂ O ₅ + BaO·Ta ₂ O ₅	3BaO·7Ta ₂ O ₅ + + BaO·Ta ₂ O ₅ + + следы 7BaO·3Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + BaO·Ta ₂ O ₅ + + 7BaO·3Ta ₂ O ₅ + следы ·Ta ₂ O ₅	3BaO·7Ta ₂ O ₅ + (?)
3BaO·7Ta ₂ O ₅ + β-Ta ₂ O ₅ + + следы α-Ta ₂ O ₅ + 7BaO· 3Ta ₂ O ₅ + следы BaO·Ta ₂ O ₅	3BaO·7Ta ₂ O ₅ + α-Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + α-Ta ₂ O ₅ + ·3Ta ₂ O ₅ + следы BaO·Ta ₂ O ₅	α-Ta ₂ O ₅ + + следы 3BaO·7Ta ₂ O ₅
β-Ta ₂ O ₅ + α-Ta ₂ O ₅ + + 3BaO·7Ta ₂ O ₅ + (?)	α-Ta ₂ O ₅
β-Ta ₂ O ₅ + α-Ta ₂ O ₅	

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5BaO·Ta ₂ O ₅ + (?)
5BaO·Ta ₂ O ₅ + 4BaO·Ta ₂ O ₅
4BaO·Ta ₂ O ₅ + 5BaO·Ta ₂ O ₅
4BaO·Ta ₂ O ₅ + 7BaO·3Ta ₂ O ₅
7BaO·3Ta ₂ O ₅ + 4BaO·Ta ₂ O ₅
7BaO·3Ta ₂ O ₅ + 3BaO·7Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + 7BaO· ·3Ta ₂ O ₅ + BaO·Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + BaO·Ta ₂ O ₅ + + следы 7BaO·3Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + BaO·Ta ₂ O ₅ + + следы α-Ta ₂ O ₅ + + следы 7BaO·3Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + BaO·Ta ₂ O ₅ + + следы α-Ta ₂ O ₅
3BaO·7Ta ₂ O ₅ + α-Ta ₂ O ₅ + + BaO·Ta ₂ O ₅
α-Ta ₂ O ₅ + 3BaO·7Ta ₂ O ₅
α-Ta ₂ O ₅

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Radiographic study ...

Table 6: Relative intensities (visual estimation) and spacings of the roentgenograms of barium tantalates.
Legend: 1) number of the lines; o. - strong, cp. - medium, cl. - weak, o. - very.

NUMBER OF LINES	7BaO·3Ta ₂ O ₅		4BaO·Ta ₂ O ₅		5BaO·Ta ₂ O ₅		NUMBER OF LINES	7BaO·3Ta ₂ O ₅		4BaO·Ta ₂ O ₅		5BaO·Ta ₂ O ₅	
	I	d (Å)	I	d (Å)	I	d (Å)		I	d (Å)	I	d (Å)	I	d (Å)
1	o. c.	3,07	c.	3,18	o. c.	3,01	9	c.	1,35 ₁	c.	1,52	cp.	1,34 ₁
2	c.	2,89	c.	3,03	c.	2,12	10	c.	1,30 ₁	c.	1,36 ₁	cl.	1,22 ₁
3	c.	2,10	c.	2,20	o. cl.	2,01	11	c.	1,19 ₁	cp.	1,32 ₁	cp.	1,13 ₁
4	c.	1,82	o.	1,78	c.	1,92					1,30 ₁		
5	c.	1,71	c.	1,75	o. c.	1,74	12	cp.	1,13 ₁	cp.	1,27 ₁		
6	cp.	1,87	cp.	1,88	o. cl.	1,57	13	c.	1,10 ₁	c.	1,25 ₁		
7	c.	1,54	o. cl.	1,82	cp.	1,51	14	c.	1,09 ₁				
8	c.	1,44 ₁	cl.	1,59	cp.	1,30 ₁							

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ZHMUD¹, Ye.S.; IVANOVA, A.B.; KOTLYAR, A.A.; OSTAPCHENKO, Ye.P.

X-ray diffraction study of alloys in the system BaO - GeO.

Zhur, neorg.khim. 7 no.11:2581-2590 N '62. (MIRA 15:12)

(Barium oxide)

(Germanium oxide)

(X rays—Diffraction)

YE. S. ZHUMT', V. N. IVANOVA, and YE. P. CSTAPCHENKO

"Roentgen Investigations of the Structure of Tantalates and
Preliminary Results of Their Application to Metal-Capillary Cathodes" from Ann-
otations of Works Completed in 1955 at the State Union Sci. Res. Inst. Min. of
Radio Engineering Ind.

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inzh.; FILATOV, L.V., inzh.

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(MONILLIASIS)

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(MIRA 16:6)

(STOMACH—DISEASES)

LOS', G.F., dotsent; ZHMUDIKOV, F.M.

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prof. P.N.Maslov) Minskogo meditsinskogo instituta.
(LUNGS—ABSCESS) (LUNGS—SURGERY)

ZHMUDIKOV, F.M.

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P.N.Maslov.
(BLOOD SUGAR) (LUNGS DISEASES)

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Studying conditioned and unconditioned vascular reflexes as a method for analyzing corticovisceral relations in various diseases. [with summary in English]. Zhur.vys.nerv.deiat. 7 no.1:49-57 Ja-F '57. (MIRA 10:10)

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(BLOOD VESSELS, physiology

conditioned & unconditioned vasc. reflexes in analysis of cortico-visceral relations in various dis. (Rus))

(REFLEX, CONDITIONED,

vasc. reflexes in analysis of cortico-visceral relationship in various dis. (Rus))

(REFLEX,

unconditioned vasc. reflexes in analysis of cortico-visceral relationship in various dis. (Rus))

(CEREBRAL CORTEX, physiology,

cortico-visceral relationships, determ. i various diseases by conditioned & unconditioned vasc. reflexes (Rus))

USSR / Human and Animal Physiology. Blood Circulation. T
The Vessels.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101887.

Author : Aksent'yev, S. B.; Yermulovich, Ya. V.; Zhmudskaya,
L. F.; Reznichenko, L. G.

Inst : Not-given.

Title : On Appearances of Dominant, Parabiosis and Hysteri-
osis in the Vascular Reflectory Activity of Man.

Orig Pub: V sb.: Ucheniye N. Ye. Vvedenskogo v klinich. prak-
tike. Odessa, 1957, 124-129.

Abstract: In patients with various diseases, disturbances in
the course of vascular reflexes to cold and hot
stimuli were observed which is regarded by the au-
thor as various stages of parabiosis, hysterosis
and dominant.

Card 1/1

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ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

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N '61. (MIRA 15:2)

(JOLIOT-CURIE, IRENE, 1897-1956)

KALININ, Mikhail Ivanovich(1875-1946); VASHCHENKO, F.G.; ZHMUDSKAYA,
R.M., kand. med. nauk; PASHENTSEV, I.A., red.; BALDINA, N.F.,
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(MIDWIVES)

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Ja '61. (MIRA 14:7)

(BEKARIUKOV, DMITRII DMITRIEVICH, 1861-1934)

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

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P.F. Lesgaft, a prominent Russian anatomist, teacher and social worker; on the 125th anniversary of his birth. Fel'd. 1 akush. 27 no. 12:31-36 p. 62. (MIRA 16:7)
(LESRAFT, PETR FRANTSEVICH, 1837 - 1909)

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

A.N. Vinokurov, Physician - Bolshevik. Vol'd. i akush. 25 no.1:
37-41 Ja '60. (MIRA 13:4)
(VINOKUROV, ALEKSANDR NIKOLAEVICH, 1869-1944)

ZHMUDSKAYA, R.M., kand.med.nauk (Moskva)

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the first year of life. Fel'd. 1 akush. 24 no.12:3-8 D '59.

(MIRA 13:2)

(INFANTS--CARE AND HYGIENE) (NURSES AND NURSING)

ZHMUDSKAYA, L.F.

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(MITRAL VALVE--DISEASES) (BLOOD--CIRCULATION, DISORDERS OF)
(REFLEXES)

ZHMUDSKAYA, P.M., kand.med.nauk (Moskva)

Mikhail Fedorovich Vladimirovskii, a Bolshevik physician. Fel'd. i
akush. 23 no.9:37-40 S'58 (NIRA 11:10)
(VLADIMIROVSKII, MIKHAIL FEDOROVICH, 1874-1951)

ZHMUDSKAYA, R.M., kand. med.nauk (Moskva)

Glorious jubilee; on the fifteenth anniversary of the publication
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of Public Health. Fel'd. i akush. 23 no.7:40-46 J1: 58 (MIRA 11:8)
(PUBLIC HEALTH)

ZHMUDSKAYA, R.M. (Moskva)

Bolshevik physician Z.P.Solov'yev; on his 80th birthday. Fel'd.
i akush. 22 no.11:30-34 N '57. (MIRA 11:2)
(SOLOV'EV, ZINOVII PETROVICH, 1876-)

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(DARWIN, CHARLES ROBERT, 1809-1882)

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(KONDOIDI, PAVEL ZAKHAROVICH, 1710-1760)